GOVERNMENT OF INDIA
ROAD TRANSPORT AND HIGHWAYS
LOK SABHA

UNSTARRED QUESTION NO:2065
ANSWERED ON:05.05.2016
Fuel Consumption on Asphalt Roads
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Will the Minister of ROAD TRANSPORT AND HIGHWAYS be pleased to state:

(a) whether the Ministry is aware that fuel consumption on asphalt roads is worse as compared to concrete roads;

(b) if so, the details thereof;

(c) whether in order to promote fuel efficiency and greater durability of roads the Government will shift to road construction using concrete, if so, the details thereof; and

(d) the advantages and the disadvantages of concrete roads?

Answer

THE MINISTER OF STATE IN THE
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS

(SHRI PON. RADHAKRISHNAN)

(a) & (b) Ministry does not have specific data for field testing with respect to fuel consumption of vehicles on asphalt verses concrete roads.

(c) Ministry has issued guidelines that although rigid pavement could be the default mode of construction, a provision for considering alternative methodology including flexible pavements would need to be clearly provided for. The agencies preparing Detailed Project Reports (DPRs) for the National Highway projects would be expected to bring out the reasons why rigid pavement could not be adopted in specific National Highway projects and Cost Benefit Analysis of rigid pavement vis-Ã -vis flexible pavement in each project should be clearly brought out.

(d) Longer service life, fuel consumption, resistance to extreme weather conditions, saving of natural resources, less maintenance etc. are major advantages whereas high initial cost, complicated maintenance, noise pollution etc. are major disadvantages of concrete roads.
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